



COMMONWEALTH of VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

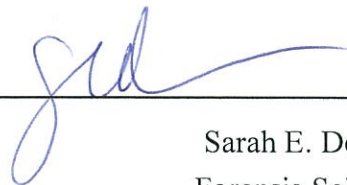
INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010625
CERTIFICATION DATE: January 7, 2014
DATE RECERTIFICATION DUE: July 6, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science as required by §9.1-1101 (B)(3). Measurement traceability is established through the use of reference materials supplied by an ISO/IEC 17025:2005 accredited calibration laboratory.

Estimation of Uncertainty of Measurement:

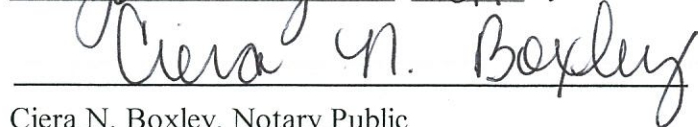
0.020 ± 0.004 g/210 L 0.150 ± 0.007 g/210 L
0.080 ± 0.004 g/210 L 0.250 ± 0.007 g/210 L

The Uncertainty of Measurement is reported at the 99.73% level of confidence and a coverage factor of k=3. The estimation of the Uncertainty of Measurement is calculated for the Certification process only.

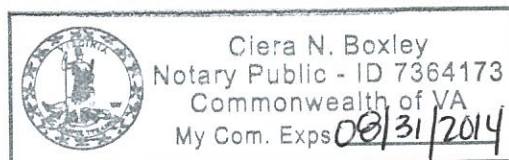

Sarah E. Dersch
Forensic Scientist

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 24th day of
January, 2014 by Sarah E. Dersch


Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



msk

Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 1/8/2014

HMS
for

Instrument Serial Number: 010625 **As of 08-Jan-14**

Maintenance Date	Certification Date	Technician Initials	Remarks
07-Jan-14	07-Jan-14	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD, REPLACED PRINTER RIBBON.
19-Jul-13	19-Jul-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
29-Jan-13	29-Jan-13	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
09-Aug-12	09-Aug-12	HMS (18910)	CERTIFIED
22-Feb-12	22-Feb-12	HMS (18910)	CERTIFIED
01-Sep-11	01-Sep-11	HMS (18910)	CERTIFIED
23-Mar-11	23-Mar-11	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
05-Oct-10	05-Oct-10	HMS (18910)	CERTIFIED
30-Apr-10	30-Apr-10	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
03-Nov-09	03-Nov-09	HMS (18910)	CERTIFIED
26-May-09	26-May-09	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
11-Dec-08	11-Dec-08	HMS (18910)	CERTIFIED.
18-Nov-08	18-Nov-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

HMS
Jed

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010625 Worksheet Start Date 1/7/2014

Location Northampton County

Address 5245 The Hornes, Eastville, VA 23347

DFS Technician Heather Stanton License No. 18910

☐ Laboratory ☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) 769 Reference Barometer (mm HG) 772

Reference Barometer(RB)Serial # 009113 RB Calibration Due 5/8/2014

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1
0.300	0.304	0.294	0.313	0.304
Precision		sample min	sample max	Sample 2
0.001		0.303	0.304	0.304
				Sample 3
				0.303

Standard (sea level)	PA Target	minimum	maximum	Sample 1
0.100	0.101	0.097	0.104	0.101
Precision		sample min	sample max	Sample 2
0		0.101	0.101	0.101
				Sample 3
				0.101

Dry gas standard Lot No. (with tank no.) AG332301-05

☒ Replaced dry gas standard (+O-ring)

☐ Installed at Location

☐ Removed to DFS-Central

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:

Notes:

Replaced printer ribbon.

Instrument Serial Number

010625

Certification Date

1/7/2014

☐ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.251
0.250	0.253	0.245	0.260	Sample 2	0.250
Precision		sample min	sample max	Sample 3	0.250
0.001		0.250	0.251		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.151
0.150	0.152	0.147	0.156	Sample 2	0.150
Precision		sample min	sample max	Sample 3	0.150
0.001		0.150	0.151		

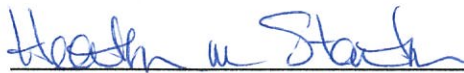
Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.080
0.080	0.081	0.078	0.084	Sample 2	0.080
Precision		sample min	sample max	Sample 3	0.080
0		0.080	0.080		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.019
0.020	0.020	0.017	0.023	Sample 2	0.019
Precision		sample min	sample max	Sample 3	0.020
0.001		0.019	0.020		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

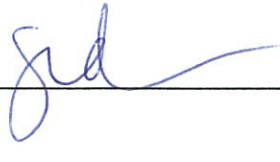
DFS Technician



Date

1/8/14

Issuing Analyst


msk

Date

1/21/14

HMS
Sed

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010625 Test Number: 365

Test Date: 01/07/2014 Test Time: 15:26 EST

Technician Initials: HMS

Dry Gas Target: 0.253

Lot Number: 2961225012-08 Exp Date: 11/01/2014

Tank Pressure: 90 psi Barometric Pressure: 769 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:26
BLK	0.000	15:27
CHK	0.251	15:28
BLK	0.000	15:30
CHK	0.250	15:30
BLK	0.000	15:32
CHK	0.250	15:33
BLK	0.000	15:34

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

HMS
sub

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010625 Test Number: 366

Test Date: 01/07/2014 Test Time: 15:38 EST

Technician Initials: *HMS*

Dry Gas Target: 0.152

Lot Number: 2951215012-02 Exp Date: 11/01/2014

Tank Pressure: 345 psi Barometric Pressure: 770 mmHg

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	15:38
BLK	0.000	15:39
CHK	0.151	15:39
BLK	0.000	15:41
CHK	0.150	15:42
BLK	0.000	15:43
CHK	0.150	15:44
BLK	0.000	15:45

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

HMS
sd

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010625 Test Number: 367

Test Date: 01/07/2014 Test Time: 15:47 EST

Technician Initials: *HMS*

Dry Gas Target: 0.081

Lot Number: 0771308012-04 Exp Date: 05/01/2015

Tank Pressure: 487 psi Barometric Pressure: 770 mmHg

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	15:48
BLK	0.000	15:48
CHK	0.080	15:49
BLK	0.000	15:50
CHK	0.080	15:51
BLK	0.000	15:52
CHK	0.080	15:53
BLK	0.000	15:54

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

HMS
SIL

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010625 Test Number: 368

Test Date: 01/07/2014 Test Time: 15:56 EST

Technician Initials: HMS

Dry Gas Target: 0.020

Lot Number: 0771302011-04 Exp Date: 05/01/2015

Tank Pressure: 580 psi Barometric Pressure: 770 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	15:56
BLK	0.000	15:57
CHK	0.019	15:58
BLK	0.000	15:59
CHK	0.019	15:59
BLK	0.000	16:01
CHK	0.020	16:01
BLK	0.000	16:03

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

Handwritten initials/signature in the top right corner.

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010625 Test Number: 369

Test Date: 01/07/2014 Test Time: 16:05 EST

Dry Gas Target: 0.304

Lot Number: AG322702-08 Exp Date: 08/15/2015

Tank Pressure: 227 psi Barometric Pressure: 770 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	16:06
CHK	0.304	16:07
BLK	0.000	16:08
CHK	0.304	16:09
BLK	0.000	16:11
CHK	0.303	16:12

Test Status: *Success*

Calibration CRC: BB41C735

HMS
Sed

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010625 Test Number: 370

Test Date: 01/07/2014 Test Time: 16:15 EST

Dry Gas Target: 0.101

Lot Number: AG332301-05 Exp Date: 11/19/2015

Tank Pressure: 1115 psi Barometric Pressure: 770 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	16:15
CHK	0.101	16:16
BLK	0.000	16:18
CHK	0.101	16:18
BLK	0.000	16:20
CHK	0.101	16:21

Test Status: *Success*

Calibration CRC: BB41C735




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

Handwritten signature

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY STANTON, HEATHER, M		AGENCY DFS Central Lab
DFS LICENSE NUMBER 18910	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 01/07/2014
TEST EQUIPMENT NUMBER 010625		

RESULTS: TIME SAMPLE TAKEN 16:28 EST
SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:
I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20_____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____ OPERATOR'S SIGNATURE



IntoxNet MIS Report

Report Generated 08 Jan 2014 at 14:58

Handwritten initials/signature

Test Results

Instrument Serial Number 010625

Test # 000371 Subject Test

Test Location 1 Department of
Test Date 07 Jan 2014

Test Location 2 Forensic Science
Test Time 16:22
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name STANTON
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

Card Serial Number 118910

License Number 18910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 07 Jan 2014 End Time 16:30

Result Time 16:28

Result Date 07 Jan 2014 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 16:22

Data Type BLK

Sample Value 0.000

Sample Time 16:23

Data Type CHK

Sample Value 0.100

Sample Time 16:24

Data Type BLK

Sample Value 0.000

Sample Time 16:25

Data Type SUBJ

Sample Value 0.000

Sample Time 16:26

Data Type BLK

Sample Value 0.000

Sample Time 16:27

Data Type SUBJ

Sample Value 0.000

Sample Time 16:28

Data Type BLK

Sample Value 0.000

Sample Time 16:29

Standard Type Dry Gas Std

Standard Value 0.101

Standard Lot Number AG332301-05

Standard Expiration Date 11/19/2015

Tank Pressure 1115

Barometric Pressure 770 mmHg

Blow Sample Number 1 Blow Duration 3.45 sec

Blow Volume 1799 cc End-of-Blow Time 16:26

Blow Sample Number 2 Blow Duration 3.51 sec

Blow Volume 1736 cc End-of-Blow Time 16:28

Tamper Evident Stamp c24ead10

Test Status Code 0

Test Status Success